STEEL GRATING
U.S. FOUNDRY NO. 6646 GRATE (or EQUAL)
STRAIGHT BARS 6" x 1/4"
RETICULINE BARS 1 1/2" x 1/4"
WEIGHT 445 lbs. (APPROX.)

NOTE:
ANY GRATING THAT IS CAPABLE OF SUPPORTING H-20 LOADS MAY BE SUBSTITUTED FOR
THE USF NO. 6646 UNTIL APPRAISAL BY THE DEPARTMENT PROVIDED IT MEETS THE
FOLLOWING TWO CONDITIONS:

1- THE NET OPEN AREA OF THE GRATE MUST NOT BE LESS THAN THAT OF THE
   USF NO. 6646.
2- THE MAXIMUM DISTANCE (MEASURED PERPENDICULAR) BETWEEN BARS DOES NOT
   EXCEED 3".
3- MANUFACTURER MUST BE LISTED IN FDOT'S QPL.

SQUARE TOP

ROUND TOP

CONSTRUCTION JOINT
(optional)

1/4" GALVANIZED HARDWARE CLOTH
EXTENDING 4" BEYOND HOLE

SECTION

NOTES:
1- CAST TOP SLAB TO FIT WALL USED.
2- USE 4,000 psi CONCRETE (MINIMUM), MAXIMUM W/C=0.53 GRADE 60 STEEL FOR REBAR AND 65 FOR WWF.
3- PIPES MAY EXTEND INTO CATCH BASIN A MAXIMUM OF 4".
4- APPLY A SMOOTH LINE OF MORTAR 1/2" THICK INSIDE AND OUTSIDE.
5- WEEP HOLES ARE TO BE USED WHEN THE YEARLY LOWEST WATER ELEVATION IS ABOVE THE TOP OF THE BOTTOM SLAB
   OF THE STRUCTURE.
6- GRATE TO BE SUPPORTED ON ALL SIDES:
7- STRUCTURE IS NOT TO BE USED IN HEAVY TRAFFIC AREAS OR WHERE THEY WOULD BE SUBJECTED TO CONSTANT
   LOADING SUCH AS DRIVEWAY APPROACHES.